

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 08-026160 (71)Applicant : SONY CORP
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(54) NONAQUEOUS ELECTROLYTE SECONDARY BATTERY

(57)Abstract:

PROBLEM TO BE SOLVED: To improve the cycle characteristic under the high-voltage, heavy-load discharge condition by using at least one kind of diester oxalate for a nonaqueous solvent in a nonaqueous electrolytic solution secondary battery.

SOLUTION: This nonaqueous electrolytic solution secondary battery is provided with a positive electrode 2 containing a lithium-containing composite oxide, a negative electrode 1 containing a carbon material capable of doping and undoping lithium ions, and a nonaqueous electrolytic solution dissolved with a lithium salt electrolyte in a nonaqueous solvent. At least one kind of diester oxalate is used for the nonaqueous solvent. The cycle characteristic under the high-voltage, heavy-load discharge condition can be improved.

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